[Duration: 3hrs]   **[Marks: 80]**

N.B. : (1) Question No 1 is Compulsory.
   (2) Attempt any three questions out of the remaining five.
   (3) All questions carry equal marks.
   (4) Assume suitable data, if required and state it clearly.

1.   **Attempt any FOUR**   [20]
   a   Explain <audio> and <video> controls of HTML5 with appropriate example.   [05]
   b   Explain the Document Object Model in detail with an example.   [05]
   c   Discuss the advantages of React Js.   [05]
   d   Explain the different datatypes of PHP.   [05]
   e   What are the characteristics of Rich Internet Application (RIA)   [05]

2.   a   Explain the working of rowspan and colspan of table when used in HTML   [10]
         with suitable example.
     b   Write a short note on JDBC   [10]

3.   a   What is mean by Event handling in JavaScript explain it with example.   [10]
     b   Write a short note on JSP.   [10]

4.   a   Explain how Shadow effect can be applied on Text using CSS with suitable   [10]
         example.
     b   Draw a diagram of Ajax application model and Traditional application web   [10]
         model and compare them.

5.   a   Write a JavaScript code to accept a name and password from user and validate [10]
         the data as follows:-
         • Name should not be empty
         • Password should not be less than 6 characters

     b   What are the features of React JS and write a code for "Hello World" using [10]
         React JS.

6.   a   Explain the structure of XML Document with an example.   [10]
     b   Explain the Servlet Life cycle with neat diagram.   [10]

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